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EXAMINER

LEE, JINHEE J

ART UNIT PAPER NUMBER

2174

DATE MAILED: 12/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/645,525

Applicant(s)

MASSASSO ET AL.

Examiner

Jinhee J. Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 101***

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 8-10 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Re claims 8-10, claim 8 claims a data structure, however, it appears the limitations of said claim are merely claiming statements defining various items, therefore said limitations do not appear to be defining any functional interrelations which permits the computer program's functionality (or data structure's functionality) to be realized.

In view of the above, claims 8-10 are therefore directed to non-statutory subject matter.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Byrd et al. (20010044812).

Re claim 1, Byrd et al. discloses a system for generating a user interface for a web application program, the system comprising: a repository of reusable screen

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components (36, 37 and information defined within a web page, see abstract and figure 1 for example); means for enabling a user to create a web page layout by: selecting components from the repository (web page retrievable in an ordered manner see abstract for example), arranging selected components within the web page (in an ordered manner, see abstract for example), defining interaction between screen components (commands are defined to be read and processed, see abstract), and defining interaction between screen components and the web application program (commands are defined to be read and processed by a control, see abstract and figure 1 for example); and means for storing rendering information (29, 31, 24, 25, see paragraph 0021 for example) of the web page layout to enable a web server to render the web page.

Re claim 2, Byrd et al. discloses a system, wherein the repository of reusable screen components includes at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (inherent that these components are used since these components are well-known to be in a web page, see paragraph 0023, 0026 and 0032 for example).

Re claim 3, Byrd et al. discloses a system, wherein the means for storing rendering information include means for storing at least one of layout settings of the selected components (remote memory storage device, see paragraph 0023 for example), properties of the selected components, and the handling of data represented by the selected components (see paragraph 0023 for example).

Re claim 4, Byrd et al. discloses a system, wherein the means for storing rendering information includes data storage means for storing variables defining the web page layout (inherent since storage means is necessary to hold the program or application that displays the web page layout and see paragraph 0019 and 0023 for example).

Re claim 5, Byrd et al. discloses a system, further comprising means for retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information (see abstract and paragraph 0024 for example).

Re claim 6, Byrd et al. discloses a system, wherein the means for storing rendering information includes data storage means (inherent, see paragraph 0023 for example) for storing variables describing event handlers assigned to the reusable components.

Re claim 7, Byrd et al. discloses a system, wherein the means for storing rendering information includes data storage means for storing variables describing an application model assignment of the data presented by the reusable components (see paragraphs 0020 and 0023 for example).

Re claim 8, Byrd et al. discloses a system for generating a user interface for a web application program, the system comprising: a first set of database tables (see paragraph 0010) to define screens including tables that describe screen components, screen layout, component configuration, application model assignment, and event handling; a first set of transactions for administering the first set of database tables; and

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means for generating the web pages by accessing the first set of database tables (see paragraph 0010 for example).

5. Claims 1-23 are rejected under 35 U.S.C. 102(b) as being anticipated by McCaskey et al. (20020152245).

Re claim 1, McCaskey et al. discloses a system for generating a user interface for a web application program, the system comprising: a repository of reusable screen components (images 121 and story files 123 for example); means for enabling a user to create a web page layout by: selecting components from the repository (retrieves story information from database, see paragraph 0051 for example), arranging selected components within the web page (produces a set of published news Web pages see paragraph 0051 for example), defining interaction between screen components (see paragraph 0083 for example), and defining interaction between screen components and the web application program (see paragraph 0081, 0083 and 0089 for example); and means for storing rendering information (database 400 for example) of the web page layout to enable a web server to render the web page.

Re claim 2, McCaskey et al. discloses a system, wherein the repository of reusable screen components includes at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (inherent since the web page is viewed using web browser, see paragraph 0084 for example).

Re claim 3, McCaskey et al. discloses a system, wherein the means for storing rendering information include means for storing at least one of layout settings of the selected components (120, 220 for example), properties of the selected components, and the handling of data represented by the selected components (400 on 120 and 220 for example).

Re claim 4, McCaskey et al. discloses a system, wherein the means for storing rendering information includes data storage means for storing variables defining the web page layout (120, 220 for example).

Re claim 5, McCaskey et al. discloses a system, further comprising means for retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information (see paragraph 0117 for example).

Re claim 6, McCaskey et al. discloses a system, wherein the means for storing rendering information includes data storage means (120,220 for example) for storing variables describing event handlers assigned to the reusable components.

Re claim 7, McCaskey et al. discloses a system, wherein the means for storing rendering information includes data storage means for storing variables describing an application model assignment of the data presented by the reusable components (400 on 120 and 220 for example).

Re claim 8, McCaskey et al. discloses a system for generating a user interface for a web application program, the system comprising: a first set of database tables (401 for example) to define screens including tables that describe screen components, screen layout, component configuration, application model assignment, and event

handling; a first set of transactions for administrating the first set of database tables; and means for generating the web pages by accessing the first set of database tables (contains all story text and all organizational information, see paragraph 0067 for example).

Re claim 9, McCaskey et al. discloses a system, further comprising a second set of database tables (405 for example) based upon the first set of database tables, the second set of database tables being used for customization and personalization of the user interface (mirror to any desired degree the choices and organization of the sections and topics see paragraph 0069 for example).

Re claim 10, McCaskey et al. discloses a system, wherein the first set of database tables that describe screen components include at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (inherent, see figure 4).

Re claim 11, McCaskey et al. discloses a method for generating a user interface for a web application program, the method comprising: selecting components from a repository of reusable screen components (images 121 and story files 123 for example) (retrieves story information from database, see paragraph 0051 for example); arranging selected components to create a web page layout(produces a set of published news Web pages see paragraph 0051 for example),; defining interaction between interacting screen components (see paragraph 0083 for example)and between screen components and the web application program(see paragraph 0081, 0083 and 0089 for example);



and storing (database 400 for example) rendering information of the web page layout to enable rendering of the web page by a web server.

Re claim 12, McCaskey et al. discloses a method, wherein the repository of reusable screen components includes at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a selection-box component, a table-view component, a table-view-for-time-series component, and a chart component (inherent since the web page is viewed using web browser, see paragraph 0084 for example).

Re claim 13, McCaskey et al. discloses a method, wherein storing the rendering information comprises at least one of storing layout settings of the selected components (120, 220 for example), storing properties of the selected components, and storing information about the handling of data represented by the selected components (400 on 120 and 220 for example).

Re claim 14, McCaskey et al. discloses a method, wherein storing rendering information comprises storing variables defining the web page layout (120, 220 for example).

Re claim 15, McCaskey et al. discloses a method, further comprising retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information (see paragraph 0117 for example).

Re claim 16, McCaskey et al. discloses a method, wherein storing rendering information comprises storing variables defining event handlers assigned to the reusable components (120, 220, see paragraph 0050 for example).

Re claim 17, McCaskey et al. discloses a method wherein storing rendering information comprises storing variables defining an application model assignment of the data presented by the reusable components(400 on 120 and 220 for example).

Re claim 18, McCaskey et al. discloses a computer program product comprising program code means stored on a computer readable medium for performing a method according to any one of the claims 11 to 17 when the program is run on a computer (see paragraph 0049).

Re claim 19, McCaskey et al. discloses a computer readable medium that stores executable instructions causing a computer system to provide: a repository of reusable screen components(images 121 and story files 123 for example); means for enabling a user to create a web page layout by: selecting components from the repository(retrieves story information from database, see paragraph 0051 for example),, arranging selected components within the web page(produces a set of published news Web pages see paragraph 0051 for example), defining interaction between interacting screen components(see paragraph 0083 for example), and defining interaction between screen components and the web application program(see paragraph 0081, 0083 and 0089 for example); and means for storing rendering information (database 400 for example)of the web page layout to enable the web server to render of the web page.

Re claim 20, McCaskey et al. discloses a computer readable medium, further comprising instructions operable to cause the computer system to have the repository of reusable screen components include at least one of a tray component, a tab-strip component, a tool-bar component, a text area component, a form-box component, a

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selection-box component, a table-view component, a table-view-for-time-series component, and a chart component(inherent since the web page is viewed using web browser, see paragraph 0084 for example).

Re claim 21, McCaskey et al. discloses a computer readable medium, further comprising instructions operable to cause the computer system to provide means for storing the rendering information, including means for storing at least one of layout settings of the selected components(120, 220 for example), properties of the selected components, and the handling of data represented by the selected components(400 on 120 and 220 for example).

Re claim 22, McCaskey et al. discloses a computer readable medium, further comprising instructions operable to cause the computer system to provide data storage means for storing variables defining the web page layout(120, 220 for example).

Re claim 23, McCaskey et al. discloses a computer readable medium, further comprising instructions operable to cause the computer system to provide means for retrieving the stored rendering information and generating hypertext mark-up language (HTML) code using the rendering information(see paragraph 0117 for example).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jinhee J. Lee whose telephone number is 571-272-1977. The examiner can normally be reached on M, T, Th and F at 6:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on 571-272-2100 ext. 74. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jinhee J Lee  
Primary Examiner  
Art Unit 2174

A handwritten signature in dark ink, appearing to read 'Jinhee J Lee', with a long horizontal flourish extending to the right.

jil